

AN 1990-010659 JAPIO
TI MANUFACTURE OF HYDROGEN STORAGE ALLOY
IN GAMO KOJI; MORIWAKI YOSHIO; IWAKI TSUTOMU
PA MATSUSHITA ELECTRIC IND CO LTD
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SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 1990
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AB PURPOSE: To reduce raw material cost and manufacturing cost, to heighten safety, to improve workability, and to increase reliability by replacing vanadium which is an ingredient raw material with ferrovanadium (V-Fe alloy).
CONSTITUTION: At least ferrovanadium (V-Fe alloy) represented by formula I is used as a starting raw material, and an alloy whose alloy phase is Laves phase of intermetallic compound and crystal structure is C14 type of hexagonal symmetry and/or C15 type of cubic symmetry, or hydride of this alloy is manufactured. For C14 type hexagonal symmetry, crystal lattice constant a is 4.8-5.2 \AA ; and c is 7.9-8.3 \AA ; . For C15 type of cubic symmetry, crystal lattice constant a is 6.92-7.70 \AA ; .
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